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SHARP 21B-FX5 OPERATION MANUAL

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Nicam Broadcasts

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SHARP®

OPERATION MANUAL
使 用 说 明 书
PETUNJUK PEMAKAIAN

ENGLISH

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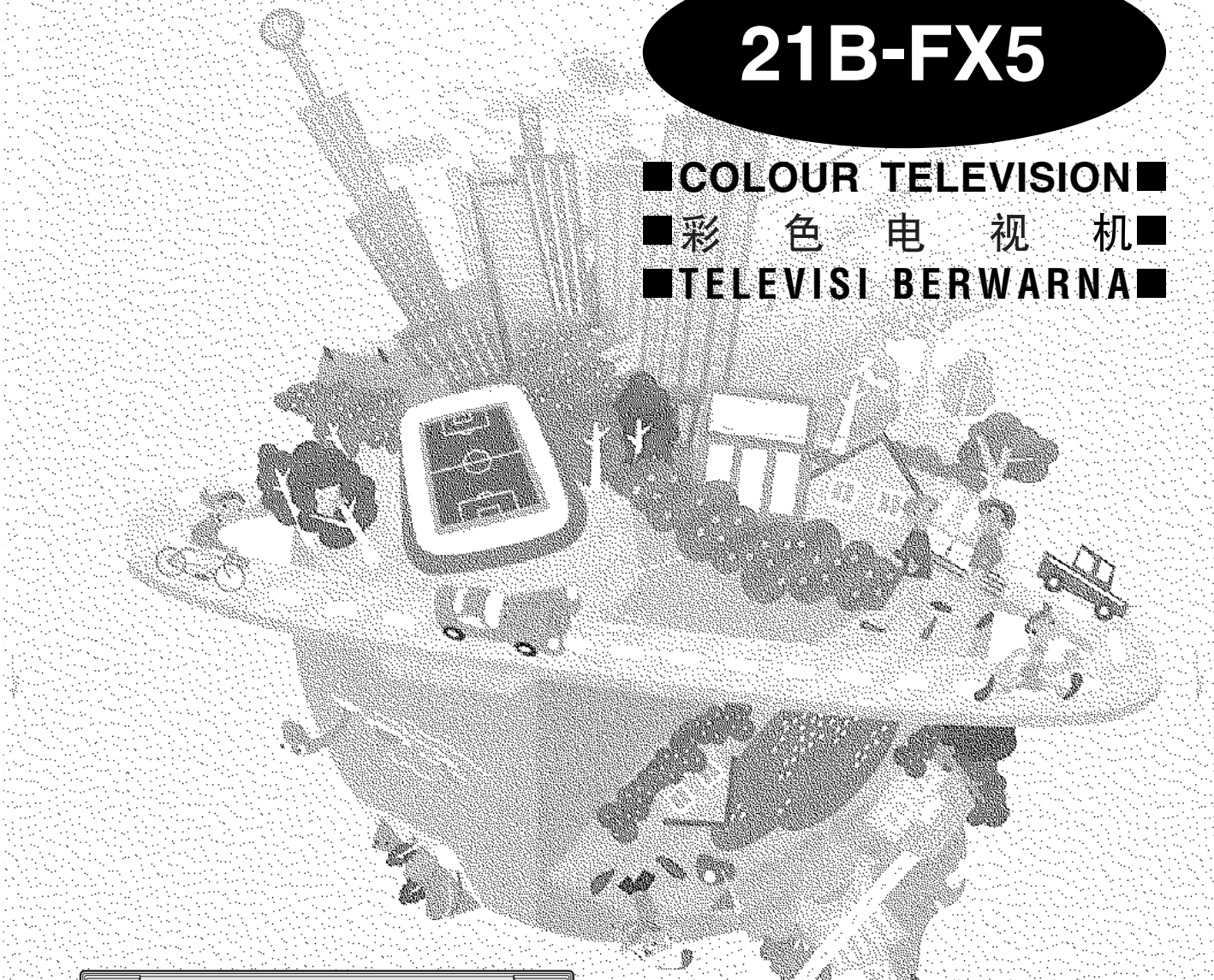
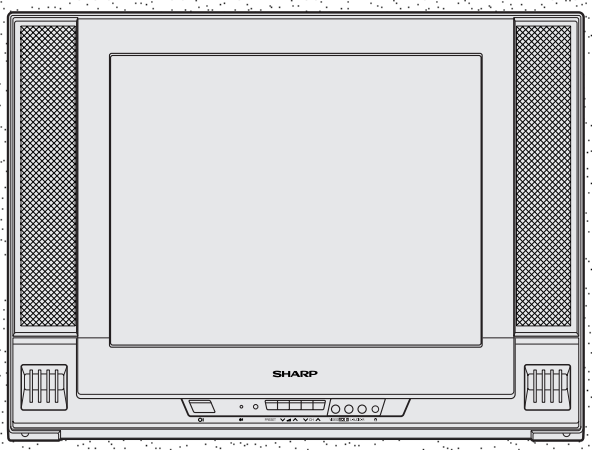
BAHASA INDONESIA

21B-FX5

■COLOUR TELEVISION■
■彩 色 电 视 机■
■TELEVISI BERWARNA■





Please read this operation manual carefully before using the colour television.

在使用本彩色电视机之前，请先阅读本使用说明书。

Sebelum mempergunakan televisi warna ini, bacalah buku petunjuk penggunaan ini dengan seksama.

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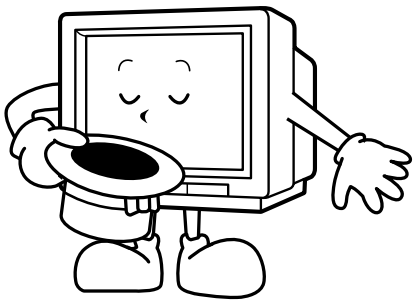
Dear SHARP Customer

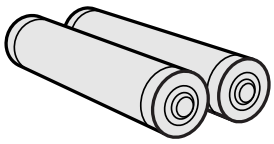
Thank you for buying SHARP's Colour Television. We hope you will have many years of enjoyment from this television set. To ensure proper operation, please read this manual carefully, and keep it in a safe place for future reference.



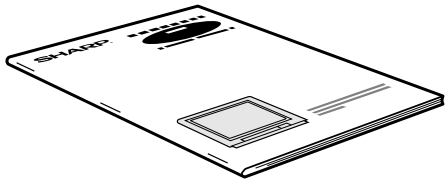
Accessories

The following accessories are included with this television.

Remote control



Size-AA batteries

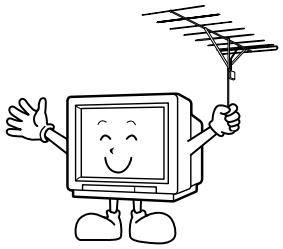


Operation manual

Easy setup

To use your TV set, perform the easy setup procedure below.
The mark indicates the page numbers with more detailed information.

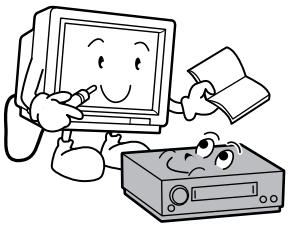
1



Connect the antenna.

- See **26** to connect the antenna.

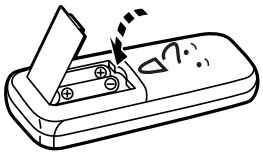
2



Connect any video equipment.

- See **26**, **27** to connect video equipment.
- See the operation manual of your video equipment when connecting to the TV set.

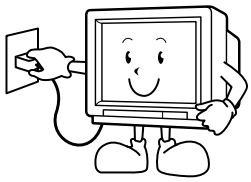
3



Insert the batteries into the remote control.

- Use the two batteries included with the TV.
- See **5**.

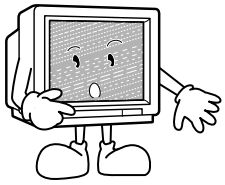
4



Insert the AC plug to the power outlet.

- If you will not use the TV set for a considerable length of time, as a safety precaution, unplug the cord from the outlet.

5

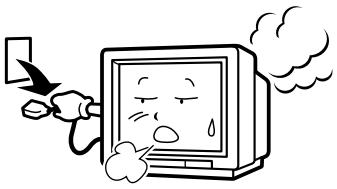


Tune the channels.

- Use the buttons on the TV.
- See **13**, **14**.

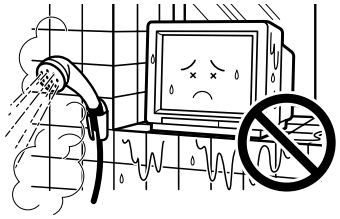
Safety precautions

Damage



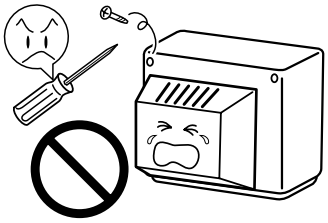
Turn off the power and unplug the power cord from the wall outlet immediately if the TV set begins to make any unusual noises or gives off smoke or an unusual smell. Then call your dealer for service.

Water



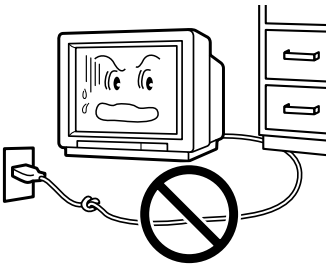
To prevent fire or electrical shock, do not place the TV set near a bath, swimming pool or other area where it may become wet.

Servicing



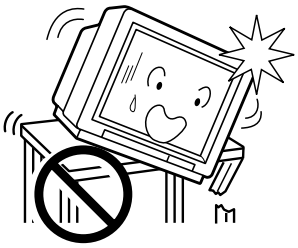
To reduce the risk of electric shock, do not remove the back of the cabinet. This TV set contains dangerous voltage.

Power-cord protection



To prevent electrical shock, do not subject the power cord to damage by bending or twisting it, or by placing heavy items on top of it. If the power cord becomes damaged, unplug it from the wall outlet immediately and call your dealer for service.

Unstable surface

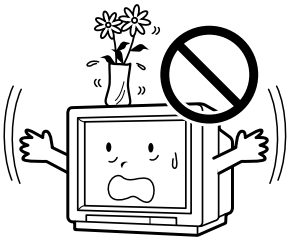


Do not place this TV set on an unstable cart, stand, shelf, or table. The TV set may fall, causing serious injury to a child or adult, and serious damage to the set.

Moisture

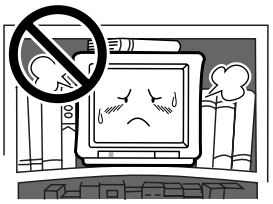
To prevent electrical shock, do not use the TV set in an excessively damp place.

Liquid entry



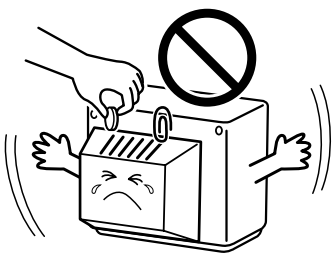
Do not place a flower vase or anything else containing liquid on the TV set, as liquid spilt on the TV set can cause electrical shock or failure.

Ventilation



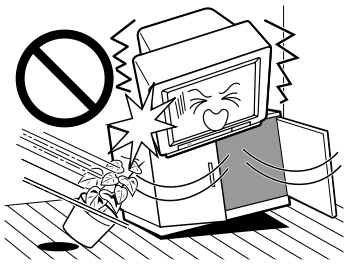
Do not place this TV set in a confined area, such as on a bookshelf or in a built-in case. Leave adequate space behind the TV for proper ventilation.

Object entry



Never insert or drop any metallic or inflammable objects into the ventilation openings of the TV set, as this can cause fire, electrical shock, or electrical failure.

Shocks

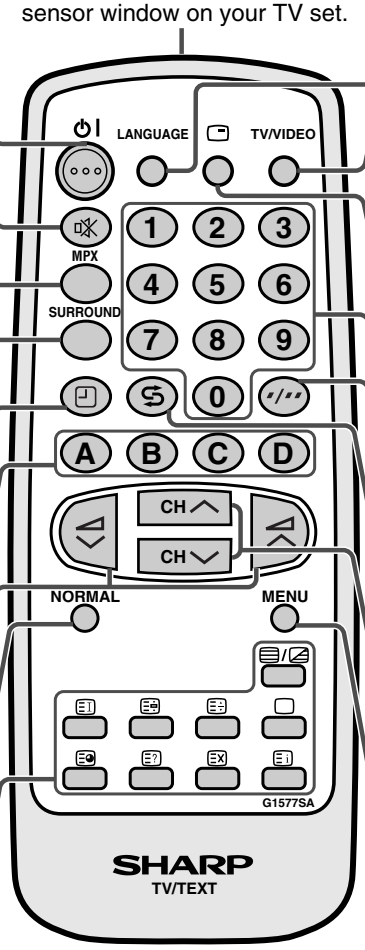


Sharp recommends securing the TV set to a stable surface or wall to prevent the set from falling due to sudden shocks or impact.

Part names

The mark indicates the page numbers with more detailed information.

Remote control



Infrared Transmitter Window
Aim this window at the infrared sensor window on your TV set.

7
Turns the TV on or to Standby mode.

9
Mutes the sound and restores sound to previous level.

MPX **23**
Switches between main and sub sound, and stereo and monaural sound.

SURROUND **18**
Produces a more spacious sound.

19
Calls the FEATURE menu.

Colour buttons **22** / **25**
Operate the Favourite Channel and Teletext functions.

7
Adjusts the volume. Used for MENU setup.

NORMAL **16**
Resets all settings.

Teletext buttons **25**
Operate the Teletext functions.

12 **LANGUAGE**
Changes the on-screen display language.

10 **TV/VIDEO**
Switches between TV broadcasts and A/V input programmes.

9
Displays the channel and timer settings on the screen.

7 **Number** buttons

7
Switches between one- or two-digit mode channel selection.

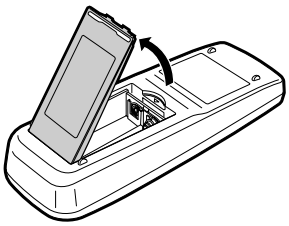
10
Returns to previously viewed channel.

7 **CH** / **CH**
Selects the channel. Used for MENU setup.

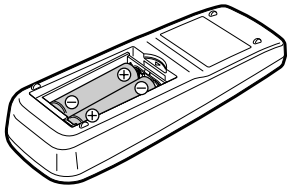
11 **MENU**
Calls the MENU screen.

Installing batteries in the remote control unit

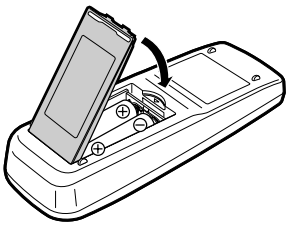
1 With your thumbnail, pull up at the slit to open the battery cover.



2 Insert two batteries (size AA).



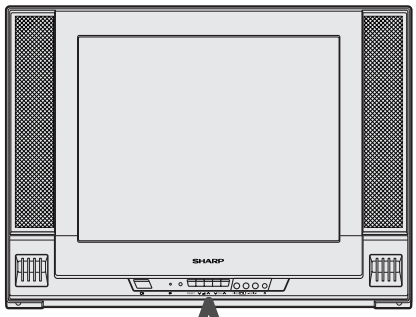
3 Replace the battery cover.



NOTE

- Be sure to match the battery ⊕/⊖ terminals with the ⊕/⊖ marks inside the compartment.
- Remove the batteries if weak or if the unit is not in use for long periods.
- Do not mix old and new batteries.
- Incorrect installation of the batteries may damage the remote control.

TV front



Power switch 7
Turns on and off the main power.

Power indicator 7
Power can be turned on from the remote control when the indicator is red.

On timer indicator 20

Infrared Sensor Window 5
Receives the infrared sensor from the remote control.

MENU/PRESET 11
MENU/PRESET button
Tunes the channels.
Used for MENU setup.

/ 8
Volume up/down buttons
Adjusts the volume.
Makes adjustments in PRESET.

Headphone jack 8
Used to listen to the audio with headphones.

Audio input terminals 27
Connects to a camcorder, video game, etc.

Video input terminal 27
Connects to a camcorder, video game, etc.

8 CH / CH
Channel up/down buttons
Selects the channels.
Tunes or sets the channels.

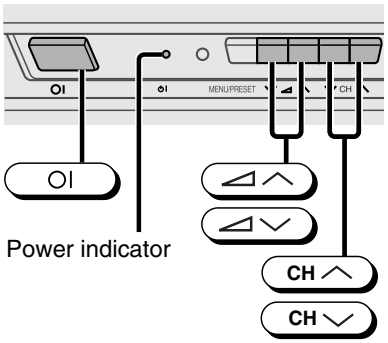
NOTE • When using headphones, see 8 .

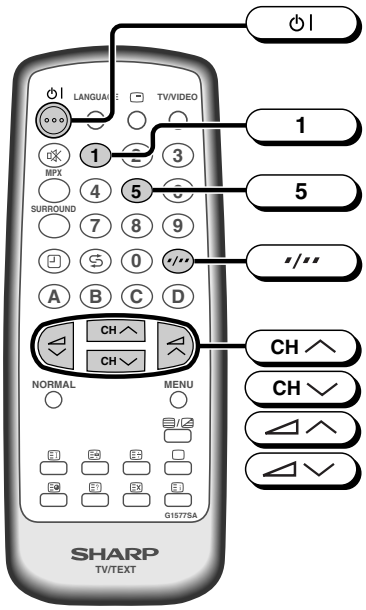
Watching TV

Watching a TV programme

Simple operations for watching a TV programme

TV Set





1 **Turn on power.**

- When the power indicator is off, press ⏻.
- When the power indicator is red, press ⏻ on the remote control. The power indicator changes to green and a picture appears.

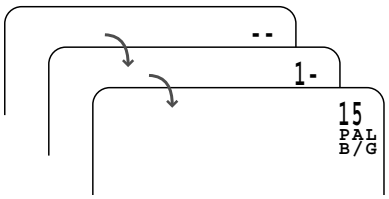
2 **Select channel.**

With CH ∧ / CH ∨

- Press CH ∧ and channels change as shown below.
  1 → 2 → ... → 98 → 99 → AV1 → AV2 → 0 → 1 → 2 ...
- Press CH ∨ and channels change as shown below.
  1 → 0 → AV2 → AV1 → 99 → 98 → ... → 2 → 1 → 0 ...

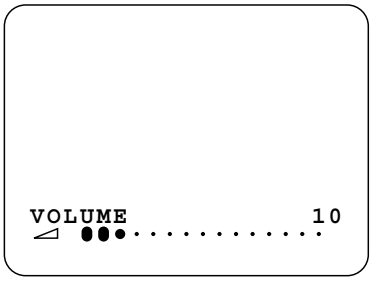
With the number buttons (on remote control)

- To select a one-digit channel, such as 5, press 5.
  If "5-" is indicated, press -/-- to select one-digit input, and then press 5 again.
- To select a two-digit channel, such as 15, press -/-- to select the two-digit input. Press 1, and then press 5.



3 **Adjust volume using ◿ ∧ / ◿ ∨.**

- The number of oval blocks "▮" and "•" indicates the volume level. The volume bar disappears approximately three seconds after the volume has been adjusted.



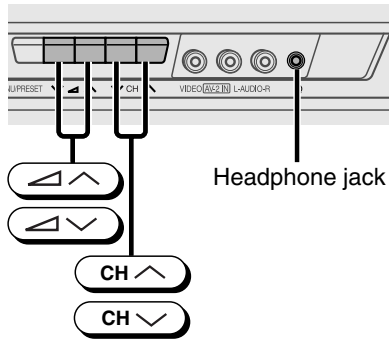
NOTE

- When the power indicator is red, either CH ∧ / CH ∨ on the TV can be pressed to turn on the power.
- The channel number is displayed in green for channels tuned by auto tuning and displayed in yellow for channels tuned using fine tuning.
- When the power indicator is red, the TV is in Standby mode and power is still supplied to the TV. If you will not watch TV for a while, turn off the main power by pressing ⏻ on the TV set. Also, if you will not be at home for a considerable length of time, unplug the cord from the outlet.
- The AV1 and AV2 input channels cannot be selected using CH ∧ / CH ∨ on the remote control. Use TV/VIDEO to select these channel.
- Channels that have been skipped cannot be selected. See **15**.
- The on-screen displays in this manual may differ from their actual appearance.

Operating the TV buttons

Simple operation of the TV set

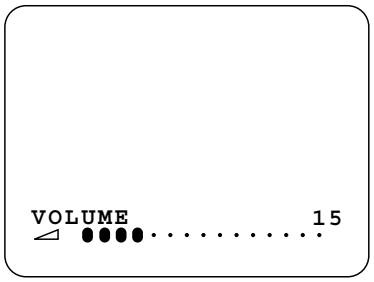
TV Set



Using ◿^ / ◿v

Press ◿^ to increase volume.

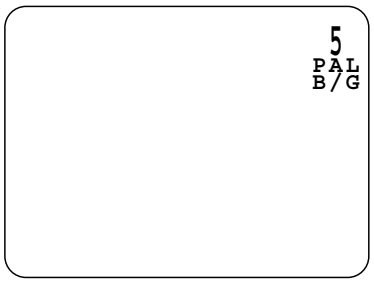
Press ◿v to decrease volume.



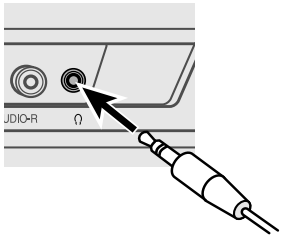
Using CH^ / CHv

Press CH^ to increase channel number.

Press CHv to decrease channel number.



TV Set



Using headphones

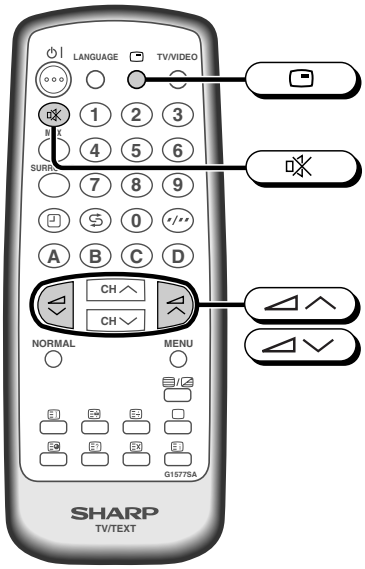
Insert headphone plug into headphone jack to listen to audio with headphones.

• The audio from the speakers is turned off.

NOTE

- The volume of the headphones can be adjusted from the TV or with the remote control. When the headphone jack is unplugged, the volume of the TV returns to the previous setting.
- Select an appropriate volume so as not to injure your hearing.
- To avoid injuring your hearing, do not put on the headphones before plugging them into the headphone jack and before the power is turned on.
- The proper impedance for the headphones is 32 ohms.
- Remove the headphone plug from the jack when not using the headphones.

Useful features

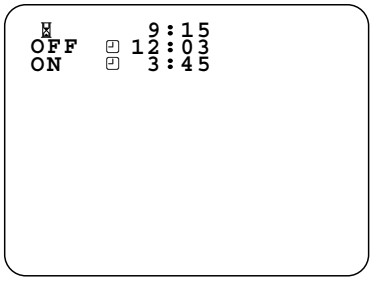


Channel/Timer display

Displays the current channel number, the timer, and other settings on the screen.

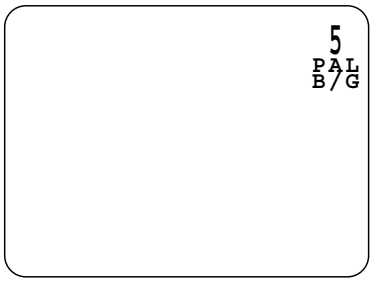
1 **Press** .

- The time remaining on the Off timer, On timer, and Reminder appears on the screen.
- When no timer is set, nothing appears on the screen.



2 **Press again.**

- The channel number, colour system, and sound system appear on the screen.



3 **Press once again.**

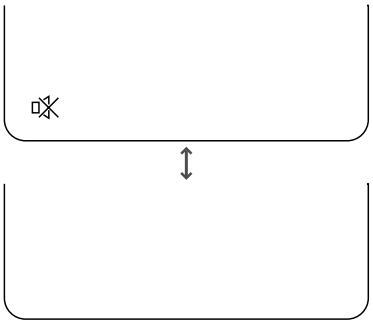
- The display disappears.

Mute

Silences the sound.

1 **Press .**

- "🔇" appears on the screen, and the sound is silenced.

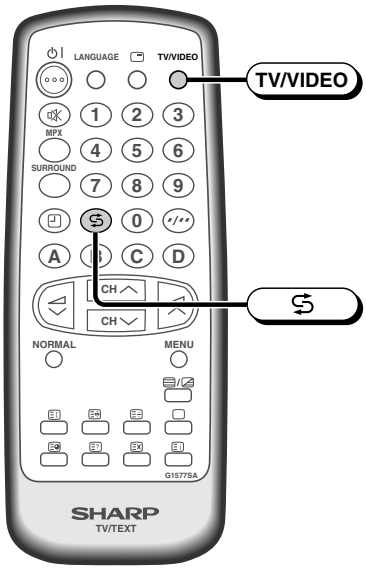


2 **Press again or / .**

- The volume returns to its previous level.

Channel recall

Switches back to the channel you were watching just before the current channel.



Press ⇆.

• The channel previously viewed returns to the screen.

Example:

If, after switching from channel 5 to channel 7, ⇆ is pressed, the channel will change to channel 5. Press ⇆ again to return to channel 7.

5 PAL
↓
7 PAL
↓
5 PAL
↓
7 PAL

TV/Video selection

Switches between TV broadcasts and AV input programmes.

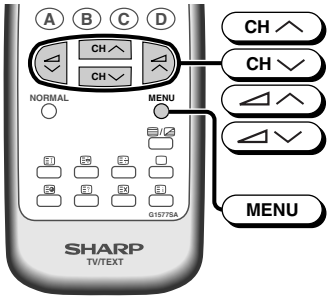
Each time you press TV/VIDEO, the input switches between AV1, AV2 and TV programme.

AV1
↓
AV2
↓
25 PAL B/G

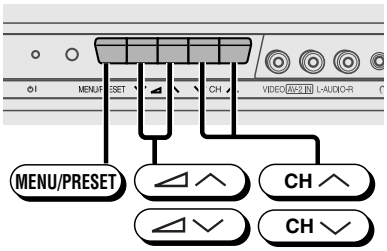
Selecting menu items

This TV set allows you to adjust the picture and sound, and set the channels and other features using the On-screen display with the remote control or from the TV set. Select the desired menu item by following the steps below and then refer to the indicated page for details.

Remote control



TV Set



Selecting a menu item

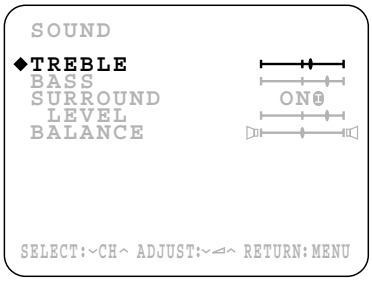
1 **Press MENU / MENU/PRESET to call MENU screen.**

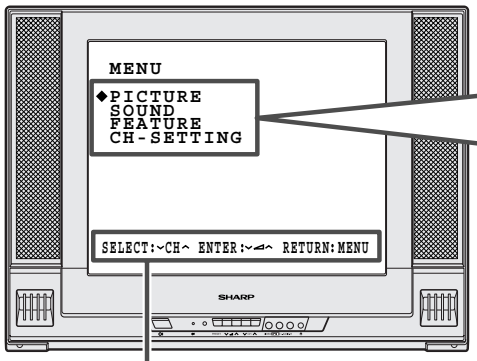
2 **Press CH ^ / CH v to select desired menu item.**

- The selected item is highlighted in yellow.

3 **Press ◿^ / ◿v to enter.**

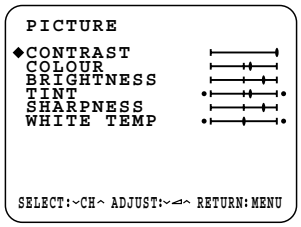
- The corresponding menu screen will appear.



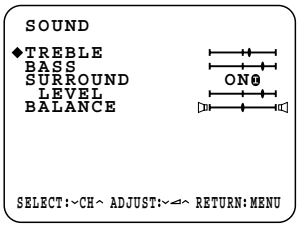


Operating guide

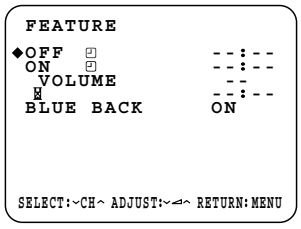
PICTURE menu **16**



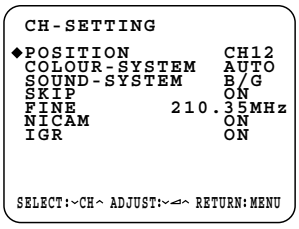
SOUND menu **17**



FEATURE menu **19** – **22**



CH-SETTING menu **15**, **23**, **24**



NOTE

- If you press MENU/PRESET for more than two seconds, the AUTO mode screen will appear instead of the MENU screen. To display the MENU screen, press MENU/PRESET until the normal screen appears, then press the button again.
- The procedures for setting and selecting the menu items on the following pages are described using the buttons on the remote control. These procedures can also be performed using the corresponding buttons on the TV set.

Settings and adjustments

On-screen display language selection

The on-screen display language can be set to English, Chinese or Malay.

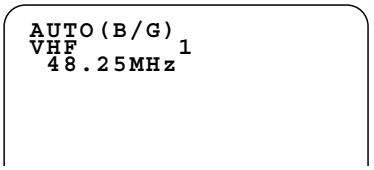
Remote control

Press LANGUAGE to select desired language.

- The language menu will automatically disappear.

TV set

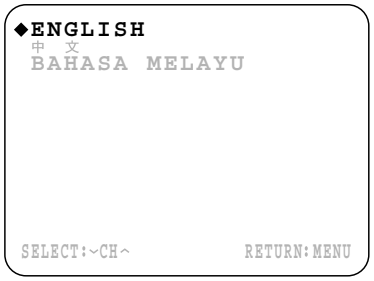
1 **Press MENU/PRESET for more than two seconds.**



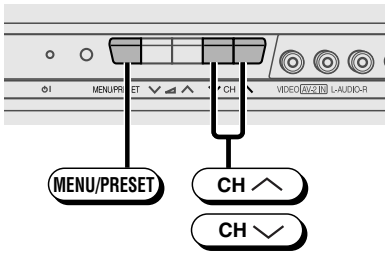
2 **Press MENU/PRESET twice to display language mode screen.**

- Pressing MENU/PRESET changes the screen as shown below.

→ AUTO ⟶ MANUAL ⟶ Language
Normal screen ←



TV Set



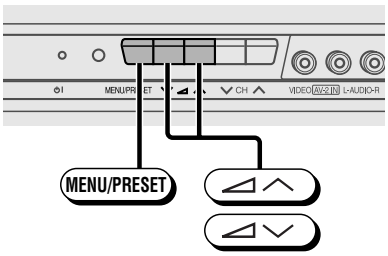
3 **Press CH ∧ / CH ∨ to select desired language.**

4 **Press MENU/PRESET to display normal screen.**

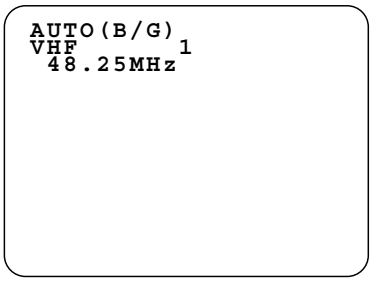
Auto channel tuning

Automatically tunes in and presets receivable TV stations.

TV Set

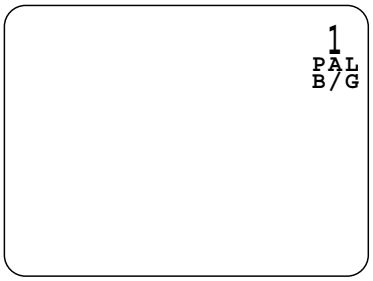


1 **Press MENU/PRESET for more than two seconds.**



2 **Press ⊿^ / ⊿v on TV set.**

- All the TV stations in your area that can be received by the TV set are automatically preset between channels 1 to 99.
- The screen shows whatever is on channel 1 when auto channel preset is finished.

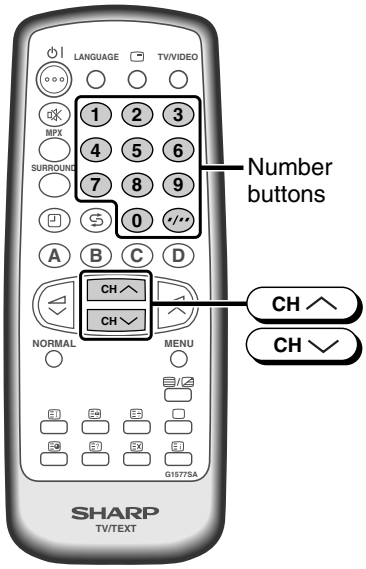


NOTE

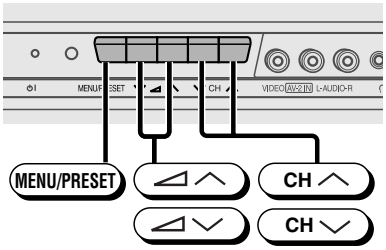
- When starting the tuning after setting the sound system using the CH-SETTING menu, the sound system for all channels are stored into memory. See 15.
- Unused channels are automatically skipped.

Manual channel tuning

Enables manual channel tuning to a desired TV station.



TV Set



1 **Press (MENU/PRESET) for more than two seconds.**

```
AUTO(B/G)
VHF     1
 48.25MHz
```

2 **Press (MENU/PRESET) again.**

- Pressing (MENU/PRESET) changes the screen as shown below.

→ AUTO ⟶ MANUAL ⟶ Language → Normal screen ←

```
MANUAL(B/G)
VHF     1
 48.25MHz
```

3 **Press (CH ^) / (CH v) or number buttons to select channel position.**

4 **Press (▲ ^) / (▲ v) on TV set to locate channel you wish to preset to current channel position.**

- Search is initiated and when a TV signal is received during the search, the search stops.

```
MANUAL(B/G)
VHF     5
107.50MHz
```

Channel position

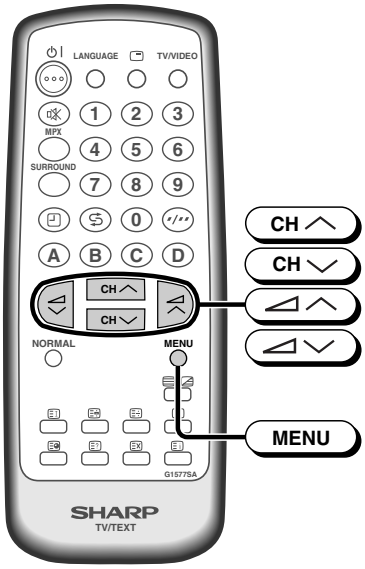
5 **Repeat steps 3 and 4 above, to preset channel positions for other broadcasts.**

6 **Press (MENU/PRESET) twice to display normal screen.**

NOTE • The sound system may not have been set correctly, if noise can be heard or if there is no sound. If this occurs, change the sound system using the CH-SETTING menu. See 15.

Channel setting

Enables individual channel setting.



1 Press MENU to call MENU screen.

2 Press CH ∧ / CH ∨ to select "CH-SETTING".

```
MENU

 PICTURE
 SOUND
 FEATURE
◆CH-SETTING
```

3 Press ◿∧ / ◿∨ to display CH-SETTING menu.

4 Press CH ∧ / CH ∨ to select desired setting.

5 Each time you press ◿∧ / ◿∨, setting for individual items changes as follows:

```
 CH-SETTING

◆POSITION          CH12
 COLOUR-SYSTEM     AUTO
 SOUND-SYSTEM      B/G
 SKIP              ON
 FINE          210.35MHz
 NICAM             ON
 IGR               ON

SELECT:∨CH∧ ADJUST:∨◿∧ RETURN:MENU
```

- **POSITION**
  The channel position changes to the higher or lower number.
- **COLOUR-SYSTEM**

  AUTO ⟷ PAL ⟷ SECAM ⟷ N358 ⟷ N443 ⟷ AUTO
- **SOUND-SYSTEM**

  B/G ⟷ I ⟷ D/K ⟷ M ⟷ B/G
- **SKIP**
  ON ⟷ OFF
  Channel numbers with a "✤" mark on the left are set to SKIP. To turn off SKIP, press the number buttons to select the desired channel and then set "SKIP" to "OFF".
- **FINE**
  The frequency changes to allow fine tuning.
- **NICAM**
  ON (NICAM sound) ⟷ OFF (Monaural TV sound)
- **IGR(German stereo system)**
  ON (IGR sound) ⟷ OFF (Monaural TV sound)

6 Press MENU twice to display normal screen.

- When you select AV1 or AV2 for the channel position, the CH-SETTING menu changes as shown on the right.

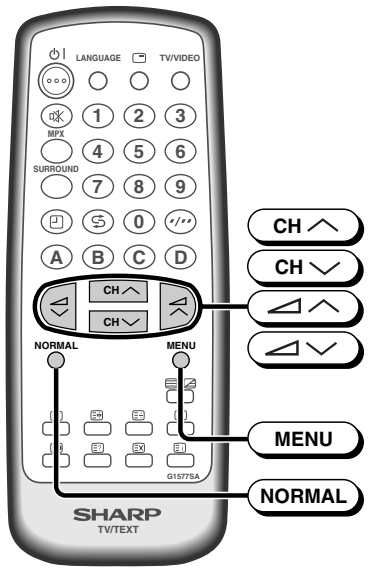
```
 CH-SETTING

◆POSITION          AV1
 COLOUR-SYSTEM     AUTO
```

NOTE

- Switching COLOUR-SYSTEM:
  Set the system to "AUTO" for normal TV reception. The AUTO mode automatically detects the receiving signal system and changes the reception system of the TV set. When the picture is not stable, switching to an appropriate system may improve the picture quality.
- In a weak reception area, or under bad reception conditions, you can change the frequency for fine tuning.
- When using FINE, the channel number changes from green to yellow.
- To return the channel to its original frequency setting, follow the manual channel tuning procedure. See 14.

Picture adjustment

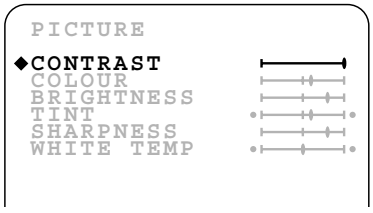


1 Press MENU to call MENU screen.

2 Press CH ∧ / CH ∨ to select "PICTURE".

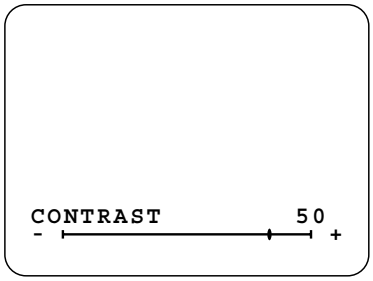
3 Press ◿∧ / ◿∨ to call PICTURE menu.

4 Press CH ∧ / CH ∨ to select adjustment items.



5 Adjust using ◿∧ / ◿∨.

- Wait for approximately three seconds to return to PICTURE menu.



6 Repeat steps 4 and 5 above to adjust other items.

7 Press MENU twice to display normal screen.

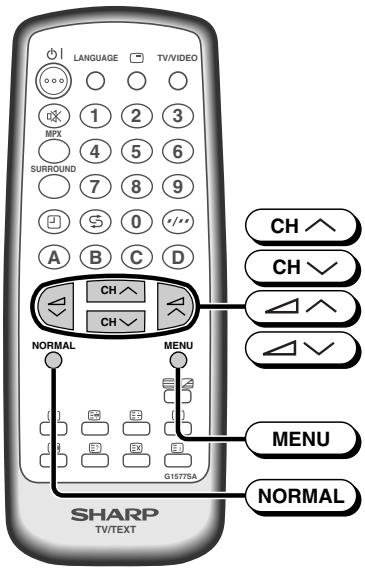
- When NORMAL is pressed while the PICTURE menu is displayed, the setting for the selected item is reset to the standard (factory setting) position.
- When NORMAL is pressed while the MENU screen is displayed and "PICTURE" is selected, all the settings for the PICTURE items are reset to the standard (factory setting) position.

The following table lists the adjustment items shown in the PICTURE menu and how they change as you press ◿∧ / ◿∨.

Selected item	Press ◿∨		Press ◿∧
CONTRAST	To decrease contrast	- +	To increase contrast
COLOUR	For less colour intensity	- +	For more colour intensity
BRIGHTNESS	For less brightness	- +	For more brightness
TINT *	To move tint toward purple	● ●	To move tint toward green
SHARPNESS	For less sharpness	- +	For more sharpness
WHITE TEMP	To more reddish background	● ●	To more bluish background

* TINT can only be selected and adjusted when receiving NTSC broadcasts.

Sound adjustment

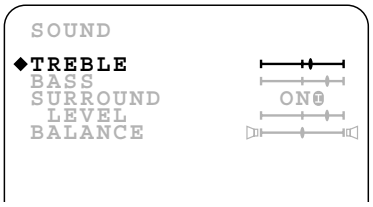


1 Press MENU to call MENU screen.

2 Press CH ∧ / CH ∨ to select "SOUND".

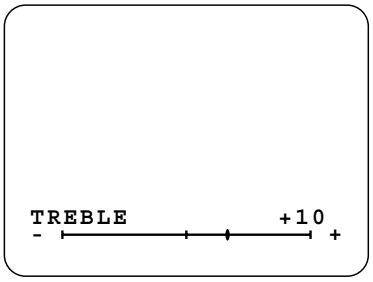
3 Press ◿∧ / ◿∨ to call SOUND menu.

4 Press CH ∧ / CH ∨ to select adjustment items.



5 Adjust using ◿∧ / ◿∨.

- Wait for approximately three seconds to return to SOUND menu.



6 Repeat steps 4 and 5 above to adjust other items.

7 Press MENU twice to display normal screen.

- When NORMAL is pressed while the SOUND menu is displayed, the setting for the selected item is reset to the standard (factory setting) position.
- When NORMAL is pressed while the MENU screen is displayed and "SOUND" is selected, all the settings for the SOUND items are reset to the standard (factory setting) position.

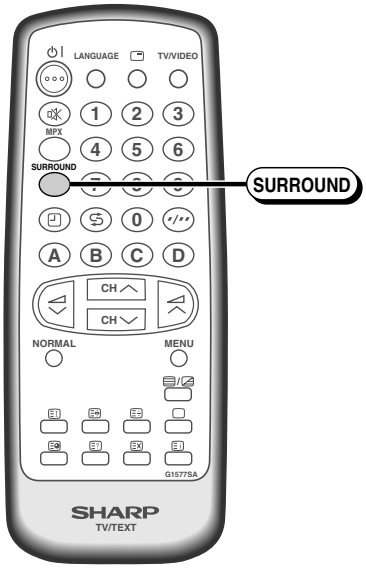
The following table lists the adjustment items shown in the SOUND menu and how they change as you press ◿∧ / ◿∨.

Selected item	Press ◿∨		Press ◿∧
TREBLE	To decrease treble	- +	To increase treble
BASS	To decrease bass	- +	To increase bass
SURROUND *	The surround effect is weakened	- +	The surround effect is emphasized
BALANCE	To shift balance toward left	◁ ▷	To shift balance toward right

* SURROUND LEVEL can be set to "ON I", "ON II", or "OFF". See 18.
SURROUND LEVEL can only be selected and adjusted when set to "ON I".
SURROUND LEVEL can only be adjusted when displayed in green. When displayed in purple, it cannot be adjusted .

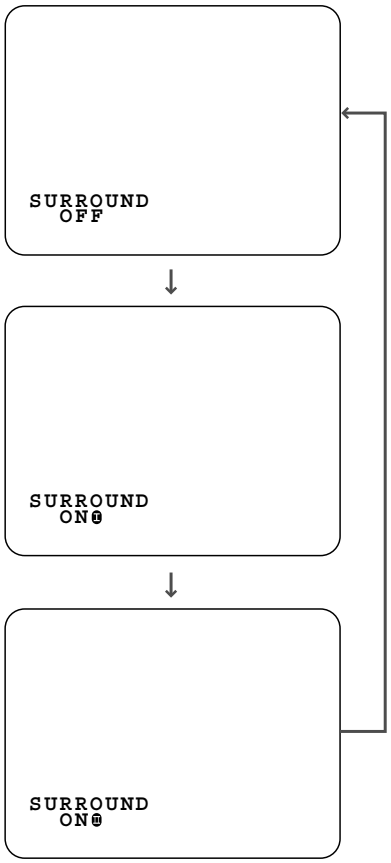
Surround sound

Produces a virtual surround sound from the TV's speakers.



Each time you press SURROUND, the mode changes between ON I, ON II and OFF.

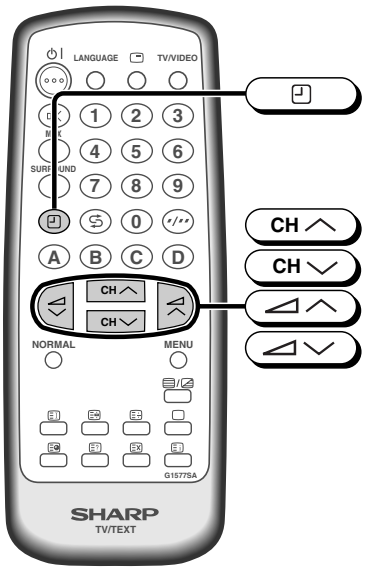
OFF: Produces normal sound.
ON I : Setting to this mode during stereo signal reception produces a spacious sound, making the most of the speakers' performance.
ON II : Setting to this mode during monaural signal reception creates monaural sound that is similar to stereophonic sound.



NOTE • The surround effect of ON I can be adjusted using the SOUND menu. See 17.

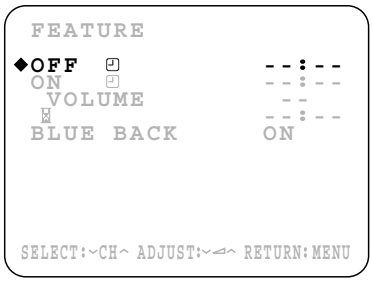
Off timer

Automatically turns power off after a set length of time has passed.



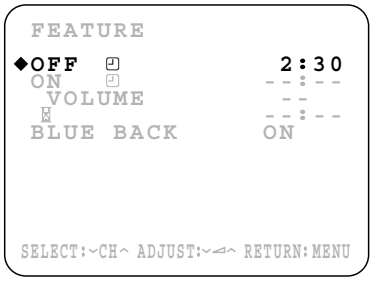
1 **Press ⏎ to display FEATURE menu.**

2 **Press CH ∧ / CH ∨ to select "OFF ⏎ ".**



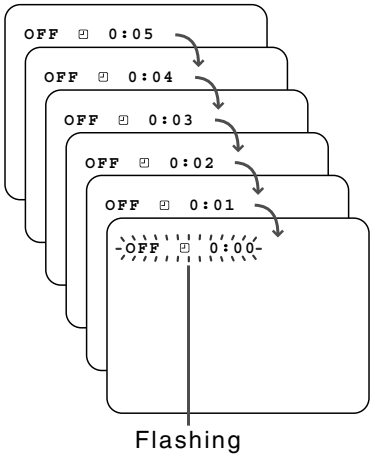
3 **Press ◿∧ / ◿∨ to set time for TV to turn off.**

- Maximum time that can be preset is 12 hours and 50 minutes.
- As soon as the time is entered, the timer starts to count down.



4 **Press ⏎ to display normal screen.**

- Five minutes before the preset length of time expires (in the example, after two hours and 25 minutes), the remaining time appears on the screen.
- A flashing display of the remaining time appears during the last five seconds.
- When the preset length of time has passed, the TV set enters the Standby mode.

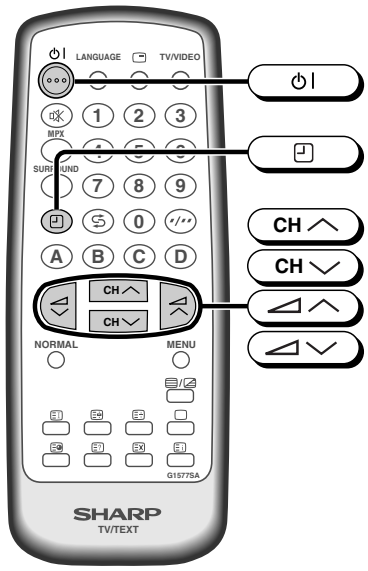


NOTE

- To cancel the timer setting, press NORMAL when "◆" is displayed on the left of "OFF ⏎" so as to set the timer to 0 hours and 0 minutes "- - : - -".
- The timer can be set in ten-minute intervals.
- The Off timer is cancelled if the power is turned off or set to the Standby mode using ⏻ or ⏻ on the TV set, or if the power is otherwise interrupted.
- The FEATURE menu can also be displayed using the MENU screen.

On timer

Automatically turns power on after a set length of time has passed.



1 **Press ⏎ to display FEATURE menu.**

2 **Press CH ∧ / CH ∨ to select "ON ⏎".**

```
FEATURE
OFF  ⏎          --:--
◆ON  ⏎          --:--
 VOLUME          --
 ☒               --:--
BLUE BACK        ON

SELECT:∨CH∧ ADJUST:∨◿∧ RETURN:MENU
```

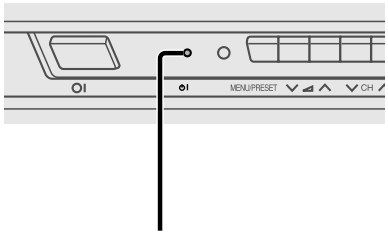
3 **Press ◿∧ / ◿∨ to set time for TV to turn on.**

- Maximum time that can be preset is 12 hours and 50 minutes.
- As soon as the time is entered, the timer starts to count down.

```
FEATURE
OFF  ⏎          --:--
◆ON  ⏎          8:00
 VOLUME          --
 ☒               --:--
BLUE BACK        ON

SELECT:∨CH∧ ADJUST:∨◿∧ RETURN:MENU
```

TV Set



On timer indicator
(Orange)

4 **Press CH ∧ / CH ∨ to select "VOLUME".**

5 **Press ◿∧ / ◿∨ to set volume.**

6 **Press ⏻ to put TV set into Standby mode.**

```
FEATURE
OFF  ⏎          --:--
ON   ⏎          8:00
◆ VOLUME        20
 ☒               --:--
BLUE BACK        ON

SELECT:∨CH∧ ADJUST:∨◿∧ RETURN:MENU
```

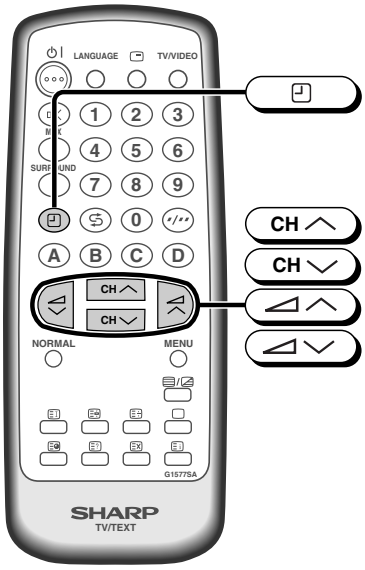
- The On timer indicator lights up orange.
- When the preset length of time (in the above example, eight hours) has passed, the power turns on and a picture appears on the screen.
  The On timer speaker volume gradually increases from zero to the preset volume.

NOTE

- To cancel the timer setting, press NORMAL when "◆" is displayed on the left of "ON ⏎" so as to set the timer to 0 hours and 0 minutes "- - : - -".
- The timer can be set in ten-minute intervals.
- The On timer is cancelled if the power is turned off using ⏻.
- If the TV set is turned on by the On timer, then the TV set will be automatically turned off in two hours if no buttons are pressed on the TV set or remote control.
- The FEATURE menu can also be displayed using the MENU screen.

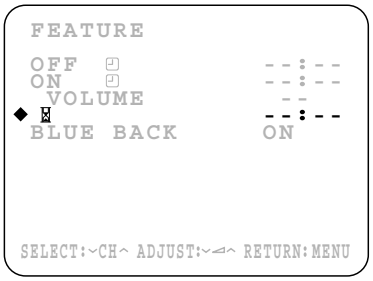
Reminder on-screen timer

Lets you know when a preset length of time has passed by displaying a countdown timer on the screen. This is useful for timer cooking while you watch TV.



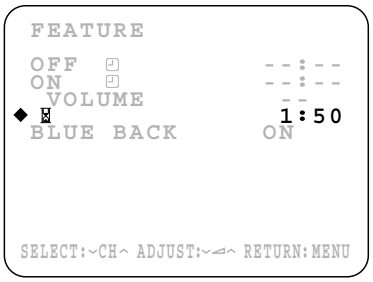
1 **Press ⏎ to display FEATURE menu.**

2 **Press CH ∧ / CH ∨ to select "▣".**



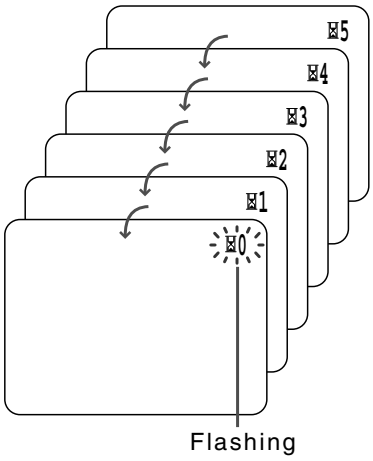
3 **Press ◿∧ / ◿∨ to set time for TV to turn off.**

- Maximum time that can be preset is 12 hours and 50 minutes.
- The right example shows that the Reminder will be activated after one hour 50 minutes.



4 **Press ⏎ to display normal screen.**

- Five minutes before the preset length of time expires (in the example, after one hour and 45 minutes) and each minute thereafter, the remaining time appears on the screen for several seconds.
- When the preset length of time has passed, "▣0" flashes in red.

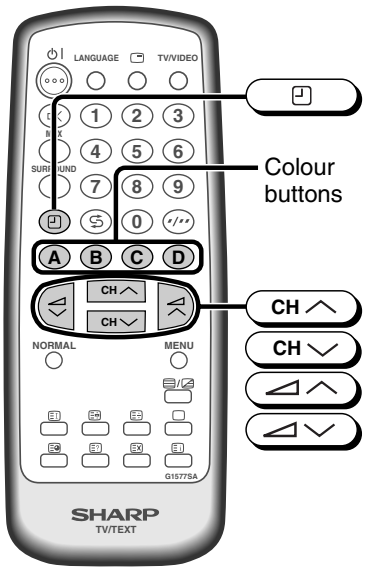


NOTE

- This function also works in the Standby mode. Power is automatically turned on five minutes before the preset length of time expires. The TV set automatically returns to the Standby mode approximately 30 seconds after the preset time.
- The Reminder is cancelled if ⏻ on the TV set is pressed or if the power is otherwise interrupted.
- The time can be set in ten-minute intervals. Pressing NORMAL resets the set time.
- The FEATURE menu can also be displayed using the MENU screen.

Blue screen

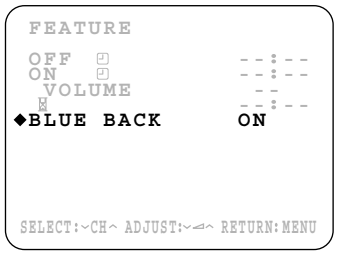
Automatically turns the screen blue if a broadcast signal is not received.



1 Press ⏎ to display FEATURE menu.

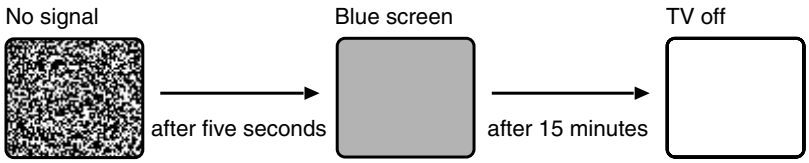
2 Press CH ^ / CH v to select "BLUE BACK".

3 Press ◁ ^ / ◁ v to select "ON" or "OFF".



4 Press ⏎ to display normal screen.

When Blue back is set to "ON"

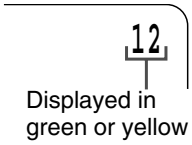


Favourite channels

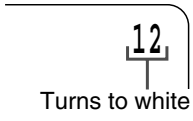
The colour buttons can be used to select up to four favourite channels.

1 Press CH ^ / CH v to select your favourite channel. (e.g. Channel 12)

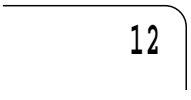
2 Press A, for example, until channel number turns to white.
- The display will disappear after three seconds, and then the selected channel is preset.



3 To watch favourite channel, press A.
- The preset favourite channel will be displayed. (e.g. Channel 12)



4 To preset another favourite channel, repeat steps 1 and 2 above.
- To change a preset favourite channel, repeat steps 1 and 2 above.



NOTE
- Poor reception due to weak signals and too much noise may activate Blue back, despite the presence of a broadcast signal. To continue watching TV under these conditions, switch "BLUE BACK" to "OFF".
- When Off timer is set, the setting has priority over Blue back.
- The FEATURE menu can also be displayed using the MENU screen.

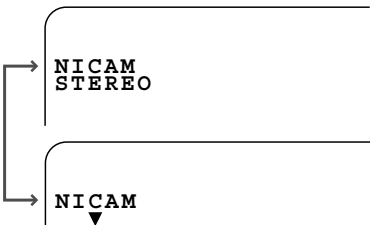
Broadcast features

NICAM broadcasts

Enables selection of reception mode when receiving a NICAM-I, -B/G, or -D/K signal.

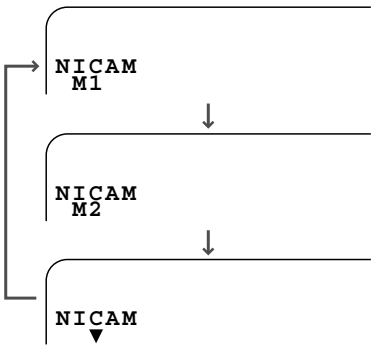
Stereo

Each time you press MPX, the mode switches between STEREO and ▼ (monaural sound).



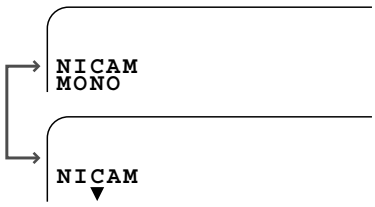
Bilingual

Each time you press MPX, the mode switches between M1 (main sound), M2 (sub sound), and ▼ (monaural sound).

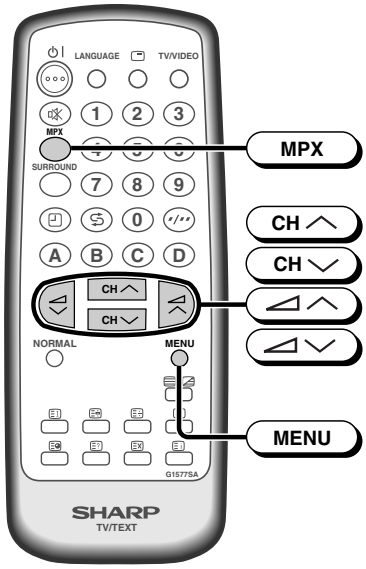


Monaural

Each time you press MPX, the mode switches between MONO and ▼ (monaural sound).



If the sound quality is poor due to a weak signal or other problems during NICAM broadcast reception, set "NICAM" to "OFF" to change the TV sound to monaural.



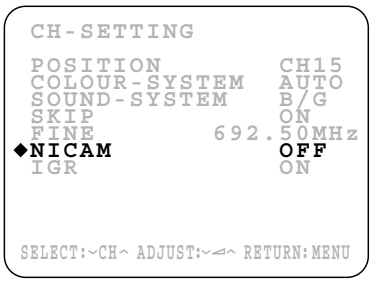
1 Press MENU to call MENU screen.

2 Press CH ^ / CH v to select "CH-SETTING".

3 Press ◿^ / ◿v to display CH-SETTING menu.

4 Press CH ^ / CH v to select "NICAM".

5 Press ◿^ / ◿v to select "OFF".



6 Press MENU twice to display normal screen.

- When set to "OFF", the TV sound is output in monaural (▼).

NOTE

- When "NICAM" in set to "OFF" on the CH-SETTING menu, MPX cannot be used to change the audio mode (stereo and bilingual settings).
- The setting can be selected individually for each channel position.
- NICAM-I: National and regional broadcast system used in the UK and Hong Kong.
- NICAM-B/G: National and regional broadcast system used in Singapore and New Zealand.

IGR (German stereo system) broadcasts

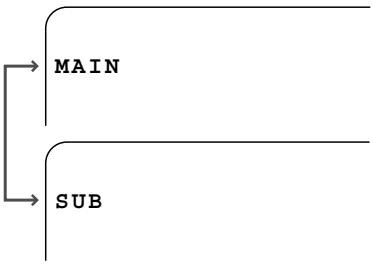
Enables selection of reception mode when receiving an IGR-B/G signal.

Stereo

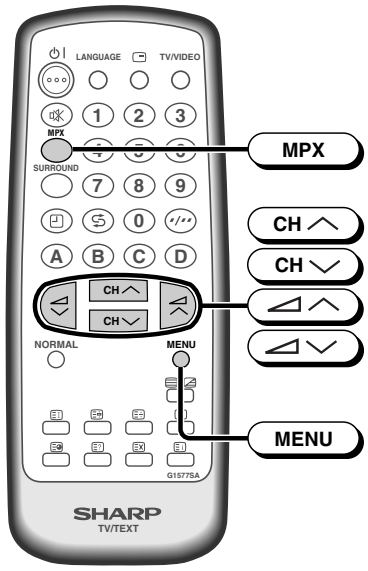
Each time you press MPX, the mode switches between STEREO and ▼ (monaural sound).

Bilingual

Each time you press MPX, the mode switches between MAIN or SUB.



If the sound quality is poor due to a weak signal or other problems during IGR broadcast reception, set "IGR" to "OFF" to change the TV sound to monaural.



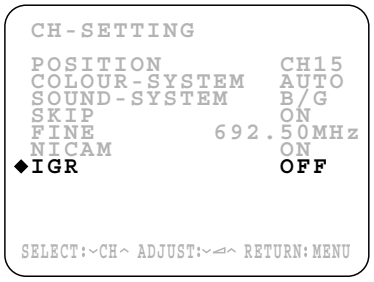
1 Press MENU to call MENU screen.

2 Press CH ^ / CH v to select "CH-SETTING".

3 Press ◿^ / ◿v to display CH-SETTING menu.

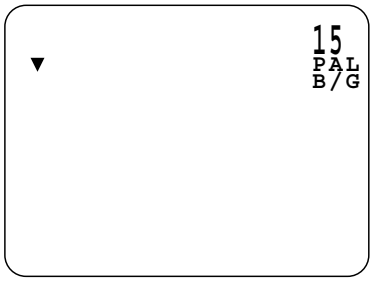
4 Press CH ^ / CH v to select "IGR".

5 Press ◿^ / ◿v to select "OFF".



6 Press MENU twice to display normal screen.

- When set to "OFF", the TV sound is output in monaural (▼).



NOTE

- When "IGR" is set to "OFF" on the CH-SETTING menu, MPX cannot be used to change the audio mode (stereo and bilingual settings).
- The setting can be selected individually for each channel position.
- IGR-B/G: National and regional broadcast system used in Malaysia, Thailand and Australia.

Teletext broadcasts

(Hold button)
- Press to freeze the Teletext image presently on the screen.
- Press again to turn off freeze mode.

(Index button)
- Press to display the index page.

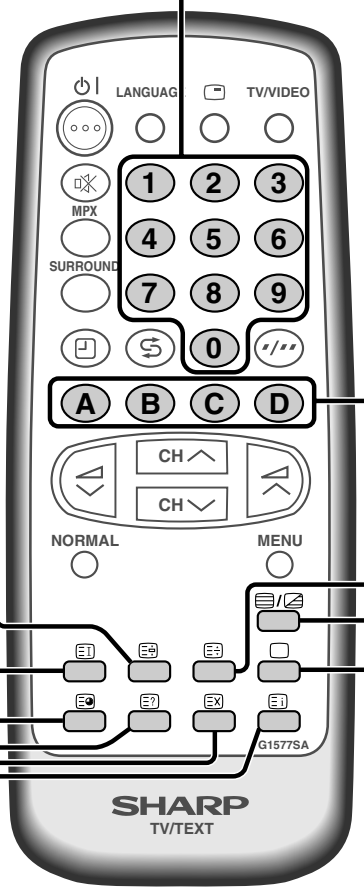
(Time button)
- While the TV is in Text, Mix or Cancel mode, use to specify the subcode (S****) for Teletext pages transmitted in Multi-page mode.
  Enter the desired subcode using the **number** buttons.
- If the TV station currently being viewed is broadcasting Teletext, the present-time information can be displayed on the screen by pressing .

(Reveal button)
- Press to display hidden information, such as the answers to a quiz.
- Press a second time to hide the displayed information.
- Press a third time to return to the start of the sequence.

(Cancel button)
- Press to return to TV mode, and the **number** buttons and the **colour** buttons to select Teletext pages.

(Reset button)
- Press to return to TV mode.
  If is pressed next, the initial page of the Teletext broadcast is re-displayed.

Text Page Selections
- While the TV is in Text, Mix or Cancel mode, the **number** buttons can be used to directly select a page of the Teletext broadcast that has a three-digit number.



Colour buttons
- If link-page data is transmitted from the TV station, each link-page can be viewed using the **colour** buttons.
- If no link-page data is transmitted, pressing the **colour** buttons selects the following pages:
  Red: Previous page
  Green: Next page
  Yellow: 10 pages forward
  Cyan: 100 pages forward

(Top/Bottom/Full button)
- Press to enlarge the top half of the Teletext image presently on the screen.
- Press a second time to enlarge the bottom half of the Teletext image presently on the screen.
- Press a third time to restore the regular Teletext image.
- Press a fourth time to return to the start of the sequence.

(Text/Mix button)
- Press to display the initial page of a Teletext broadcast.
- Press again to simultaneously display the TV picture and Teletext in a split screen format.

(Picture button)
- Press when in Teletext, Mix or Cancel mode, to return to TV mode.
  If is pressed next, the previous page of the Teletext broadcast is re-displayed.

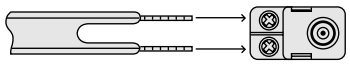
NOTE • The display on which teletext appears has priority over other on-screen displays.

Connections

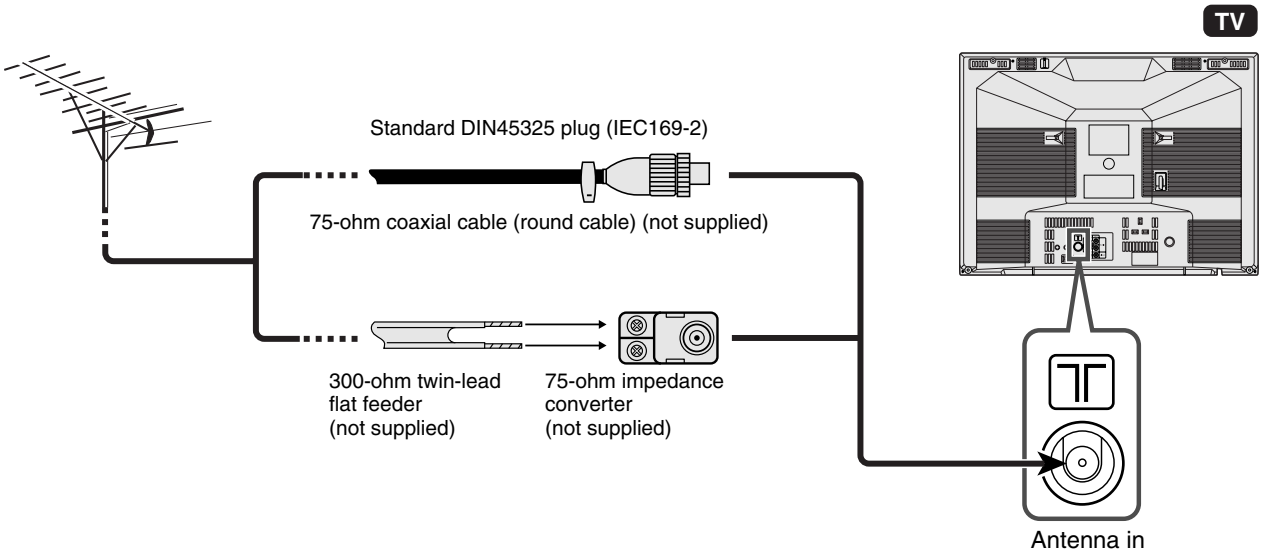
Connecting to an antenna

To enjoy a clearer picture, use an outdoor antenna. The following is a brief explanation of the types of connections that are used for coaxial and feeder cables.

If your outdoor antenna uses a 75-ohm coaxial cable with a standard DIN45325 plug (IEC 169-2), plug it into the antenna jack at the rear of the set.

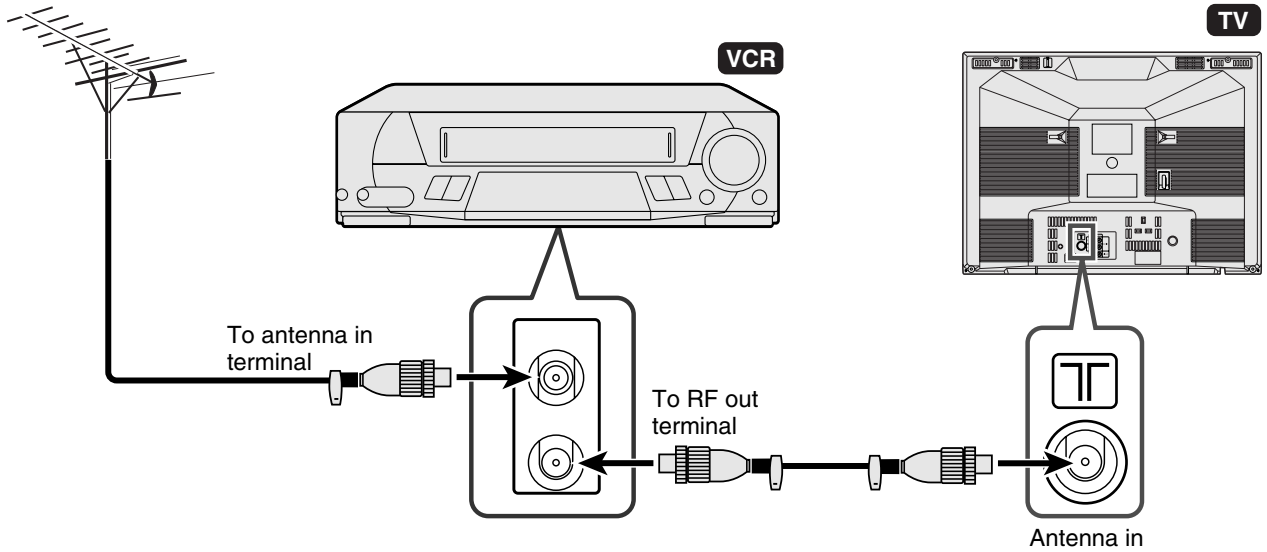


If your outdoor antenna uses a 300-ohm twin-lead flat feeder, connect a 300-ohm to 75-ohm impedance converter and plug it into the antenna jack at the rear of the set.


TV
Standard DIN45325 plug (IEC169-2)
75-ohm coaxial cable (round cable) (not supplied)
300-ohm twin-lead flat feeder (not supplied)
75-ohm impedance converter (not supplied)
Antenna in

Connecting to an antenna via a VCR

You can also connect the TV set to the tuner on a VCR using the connection shown below.



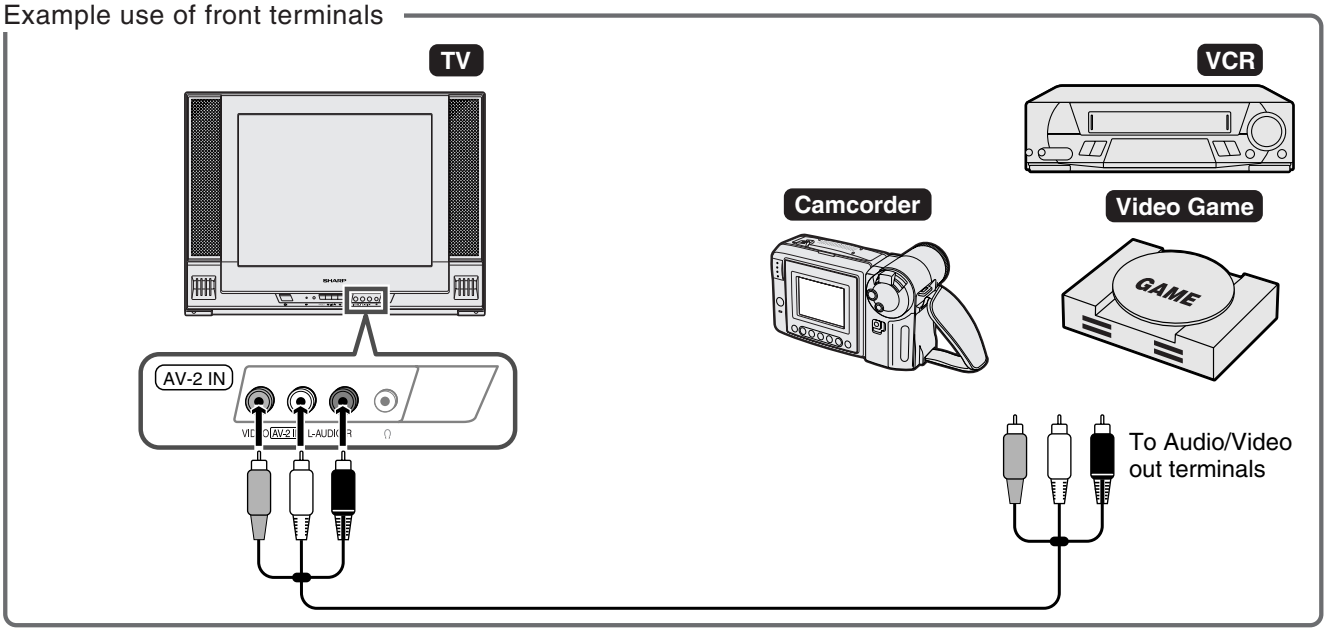
NOTE

- When using the RF terminal connection, set the TV to channel zero to make initial adjustments for the VCR.
- Turn off the power on the TV set and the VCR being connected before making the above connections. Be sure the cord plugs are fully inserted in the connection terminals.
- See the operation manual of your VCR for connection details.

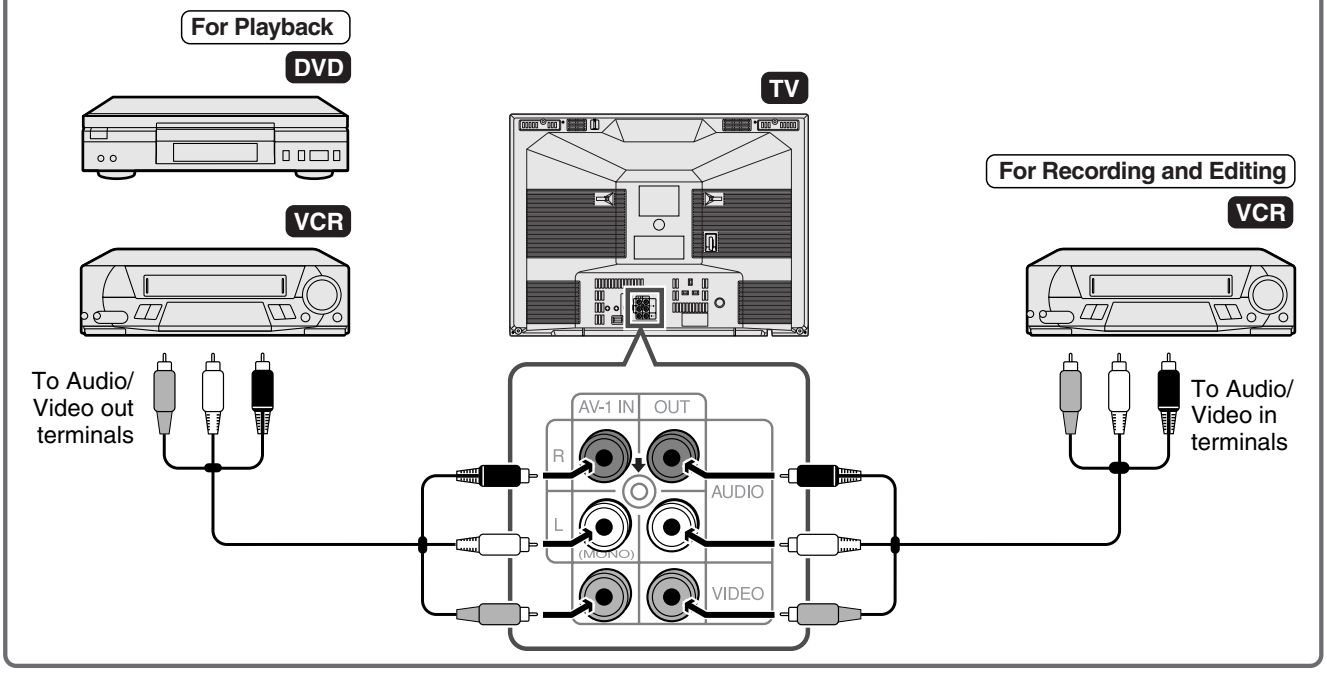
Connecting to video equipment

Enjoy playback from a video disc player, VCR or other video equipment by connecting them to this TV set using the Audio/Video in terminals.

Example use of front terminals



Example use of rear terminals



NOTE

- Turn off the power on the TV set and the VCR being connected before making the above connections. Be sure the cord plugs are fully inserted in the connection terminals.
- For playback of monaural audio, connect the external source to the audio input left terminal on the front or rear of the TV set (MONO) to hear the same sound from both speakers.
- The audiovisual cords required to connect the TV set with video equipment may differ from those shown in the above diagram. See the operation manual of your video equipment for connection details.
- The above recording and editing connections are for intended solely for personal use and not for the illegal copying of audiovisual material protected by copyright laws.

Troubleshooting

The following problems do not always indicate a hardware failure. Therefore, please use the troubleshooting guide below before calling for repair service.
If, after following the guide none of the remedies work, unplug the TV set and call for service.

Quick Service Check List / Problems	Remote control does not work.	Bars on screen	Picture distorted.	Picture rolls vertically.	No colour	Poor reception on some channels	Picture weak.	Picture lines or streaks	Picture ghosting	Picture blurred.	Sound OK, picture poor.	Picture OK, sound poor.	No picture or sound
Possible Causes/Remedies													
Try a new channel to check for possible station trouble.			●	●	●	●	●	●	●	●	●	●	●
TV not plugged in. Outlet power OFF.	●												●
POWER switch of TV not ON.	●												●
Antenna not connected to terminal at the back of the TV set.					●	●	●		●		●		●
If outside antenna is used, check for broken wires.		●	●	●	●	●	●	●	●	●	●		●
Check for local interference.		●		●		●		●	●		●	●	
Turn OFF using the POWER switch, then turn ON again after a minute.	●												●
Adjust COLOUR control.					●		●				●		
Check batteries in the remote control.	●												
Try fine tuning to correct.			●		●		●			●	●		
Contrast setting in picture mode might be all the way to the minus side. Press the NORMAL button on the remote control to correct.											●		●
Increase the volume.												●	●

NOTE • This unit is equipped with a microprocessor. Its performance could be adversely affected by external electrical noise or interference. If this should happen, unplug the unit and plug it in again after a few minutes.

Specifications

MODEL			21B-FX5
Receiving System			World multi 21-system
	TV Broadcasts/ VCR Playback		PAL-I PAL-B/G PAL-D/K SECAM-B/G SECAM-D/K, -K1 NTSC-M (NTSC standard)
	VCR Playback		NTSC 4.43/5.5 MHz 60 Hz NTSC 4.43/6.0 MHz 60 Hz NTSC 4.43/6.5 MHz 60 Hz NTSC 4.43/5.5 MHz 50 Hz NTSC 4.43/6.0 MHz 50 Hz NTSC 4.43/6.5 MHz 50 Hz NTSC 3.58/5.5 MHz NTSC 3.58/6.0 MHz NTSC 3.58/6.5 MHz SECAM-I (6.0 MHz)
	VCR Playback (Using Video-in terminals)		SECAM-L (French SECAM)
	Laserdisc Player Playback (Using RF-in terminals)		PAL 5.5 MHz/60 Hz PAL 6.0 MHz/60 Hz PAL 6.5 MHz/60 Hz NTSC 3.58/4.5 MHz/50 Hz
	Stereo Broadcast		NICAM-I, -B/G, -D/K, IGR-B/G
Reception Channels			
	PAL-B/G SECAM-B/G	VHF	E2–E12 ch
		UHF	E21–E69 ch
	PAL-D/K SECAM-D/K, -K1	VHF	C1–C12 ch, R1–R12 ch
		UHF	C13–C57 ch, R21–R69 ch
	PAL-I	VHF	B–J ch
		UHF	21–69 ch (Hong Kong)
	NTSC	VHF	2–13 ch (U.S.), 1–12 ch (Japan)
		UHF	14–69 ch (U.S.), 13–62 ch (Japan)
	CATV		S1–S20 ch, S21–S41 ch (Hyper)
Receiving Frequency			48.25 MHz–463.25 MHz, 471.25 MHz–863.25 MHz
Channel Tuning			100-channel electronic tuner with full auto tuning system
Picture Tube			21-inch, flat square tinted
Terminals			Audio/video input × 2 (front × 1, rear × 1), audio/video output × 1 (rear), headphone jack × 1 (front)
Sound Output			7.5 W (RMS) × 2, total 15.0 W (RMS)
Power Source			AC 110–240 V, 50/60 Hz
Power Consumption			112 W
Dimensions			637.0 (W) × 467.5 (H) × 485.5 (D) mm
Weight			24.0 kg (approx.)

NOTE

- Design and specifications are subject to change without notice.
- Receiving system: These receiving systems, encompassing all currently available technology, include those with planned broadcast, videotape and laserdisc hardware and software.
- Reception channels: Some examples of the main receivable channels are shown above.

Notes

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